

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115356.D
 Acq On : 2 Jul 2019 12:03
 Operator : HP/JU
 Sample : K3557-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 14:36:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 02 12:02:54 2019
 Response via : Initial Calibration

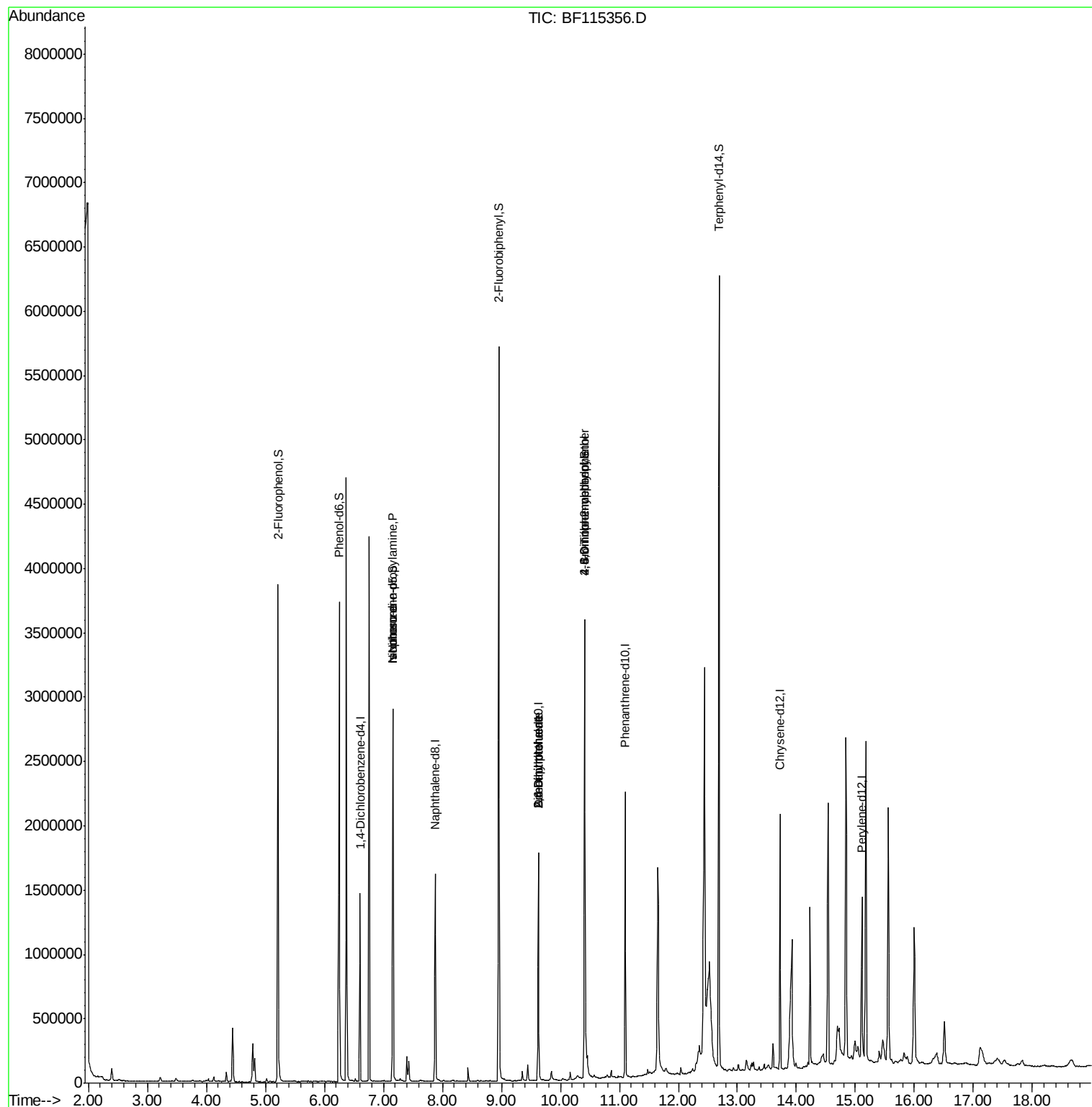
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	200668	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	740111	20.00	ng	-0.01
39) Acenaphthene-d10	9.62	164	379906	20.00	ng	-0.01
64) Phenanthrene-d10	11.10	188	767175	20.00	ng	0.00
76) Chrysene-d12	13.72	240	644168	20.00	ng	0.00
87) Perylene-d12	15.11	264	612912	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1328955	102.20	ng	0.02
7) Phenol-d6	6.25	99	1521387	96.39	ng	0.00
23) Nitrobenzene-d5	7.16	82	1108407	92.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	589340	147.11	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2057639	92.00	ng	0.00
79) Terphenyl-d14	12.69	244	2506229	82.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	148715	14.717	ng	# 77
25) Isophorone	7.16	82	1108399	44.972	ng	# 63
50) Dimethylphthalate	9.63	163	102578	3.670	ng	# 1
51) 2,6-Dinitrotoluene	9.62	165	48764	7.557	ng	# 30
57) 2,4-Dinitrotoluene	9.62	165	48764	5.853	ng	# 27
58) Fluorene	10.41	166	25534	Below Cal		# 89
65) 4,6-Dinitro-2-methylphenol	10.41	198	1115	5.205	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	37816	4.546	ng	# 1

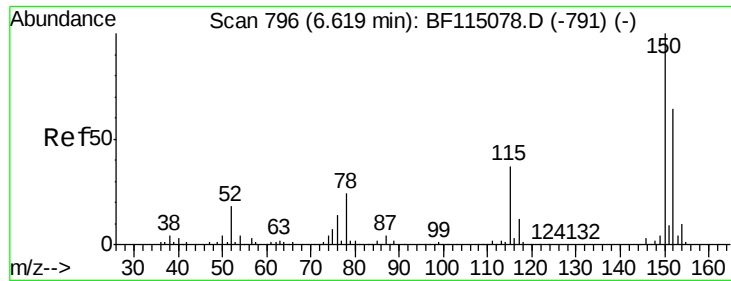
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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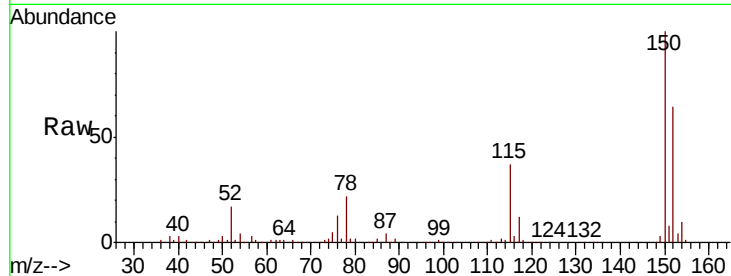


#1

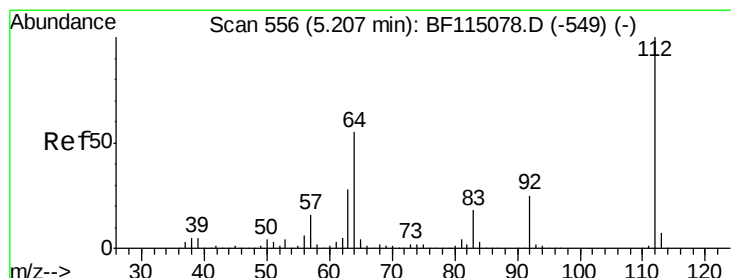
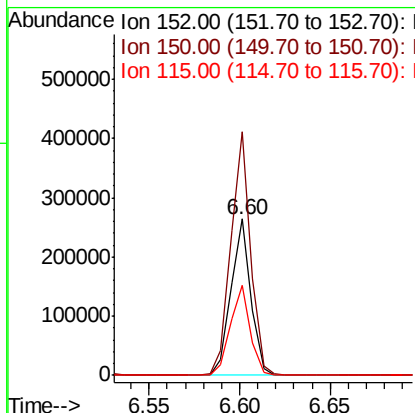
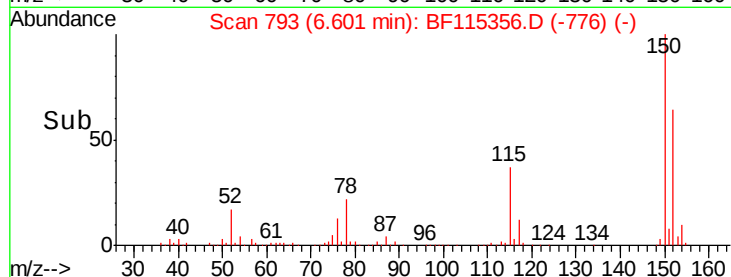
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 200668
Ion Ratio Lower Upper
152 100
150 156.0 125.2 187.8
115 57.5 48.2 72.2



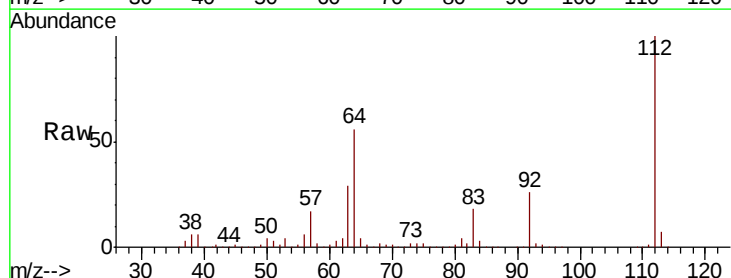
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



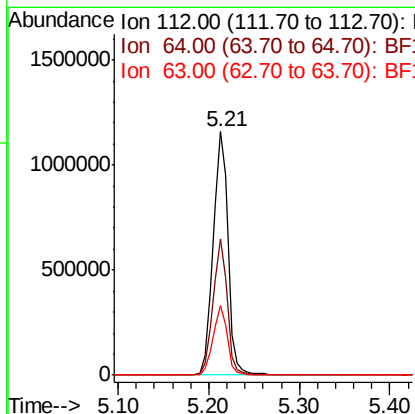
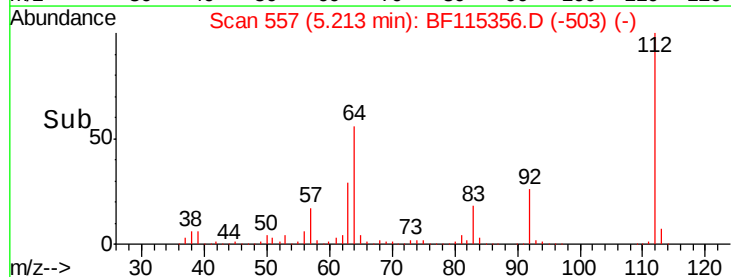
#5

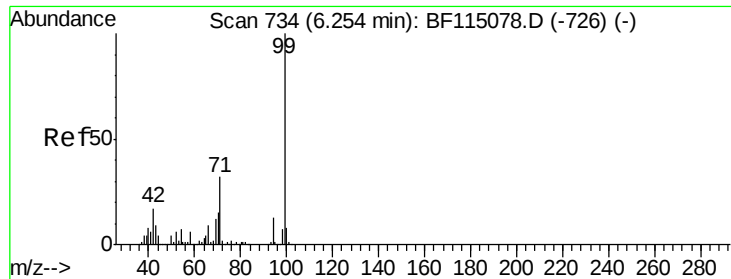
2-Fluorophenol
Concen: 102.199 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Tgt Ion:112 Resp: 1328955
Ion Ratio Lower Upper
112 100
64 55.9 44.2 66.2
63 28.5 22.3 33.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.393 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Instrument :

BNA_F

ClientSampleId :

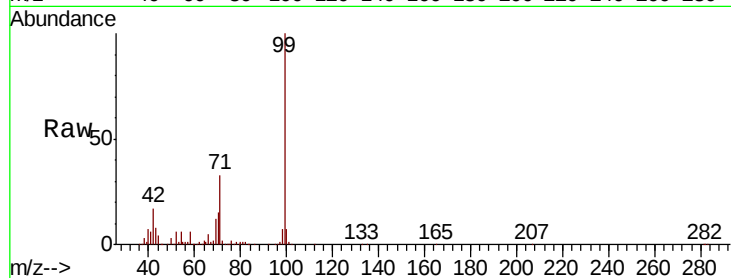
Tot Ion: 99 Resp: 1521387

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.2

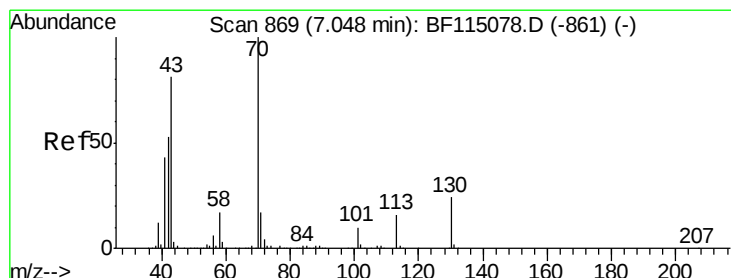
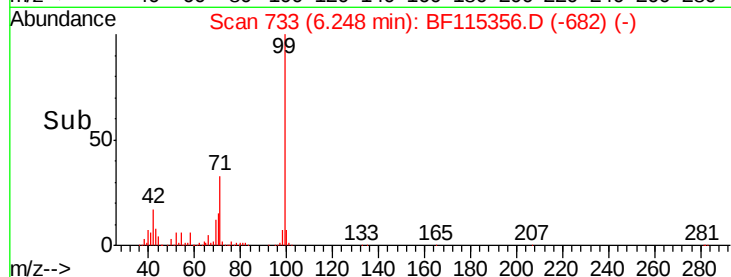
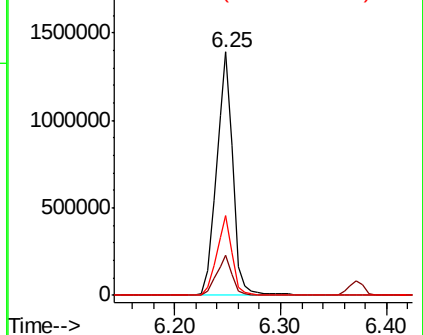
71 32.9 25.4 38.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.717 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Tgt Ion: 70 Resp: 148715

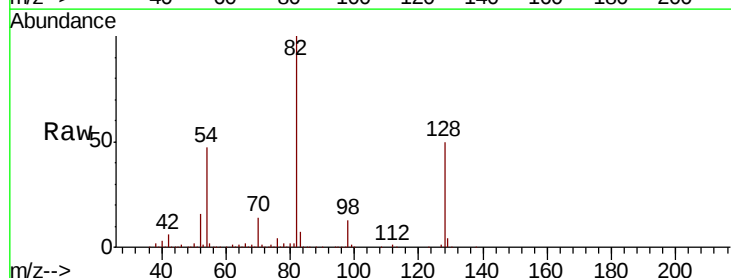
Ion Ratio Lower Upper

70 100

42 45.5 44.3 66.5

101 0.0 7.8 11.8#

130 2.7 19.2 28.8#

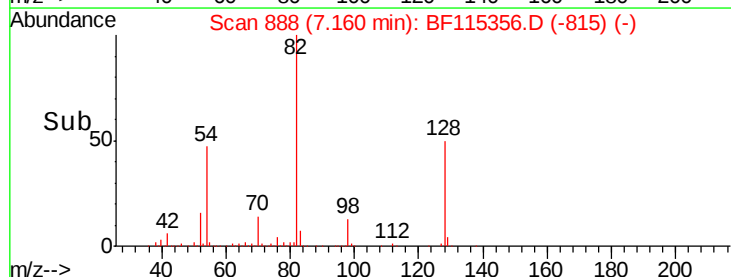
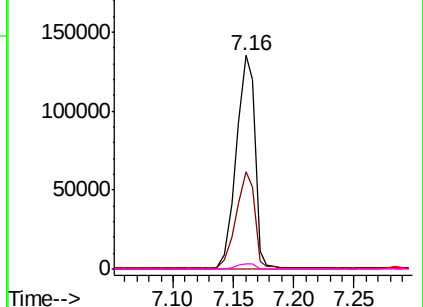


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

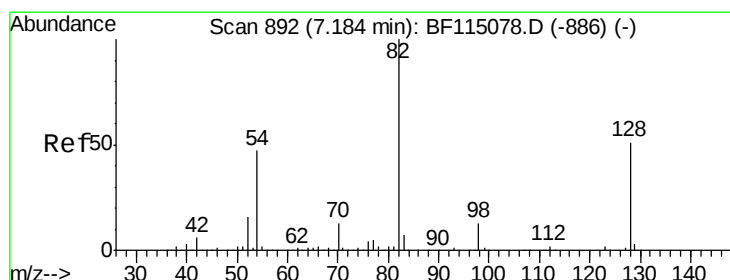
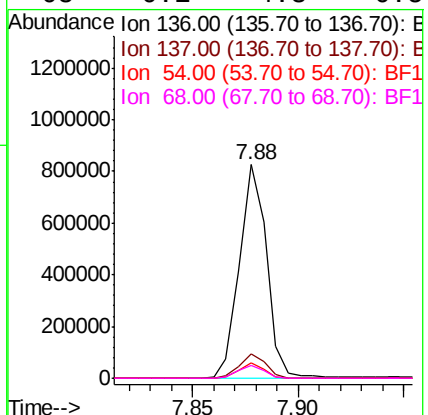
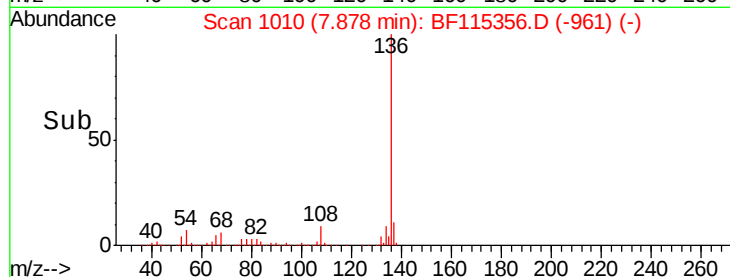
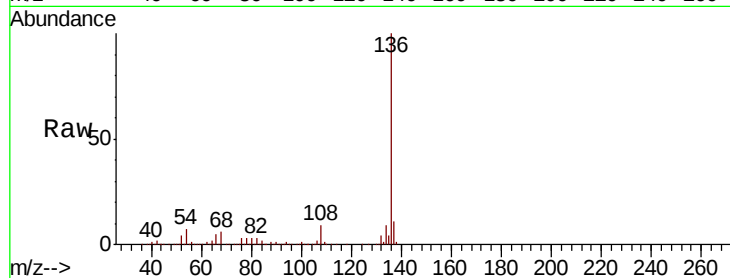




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

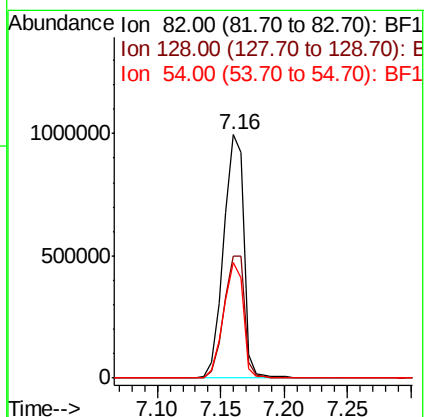
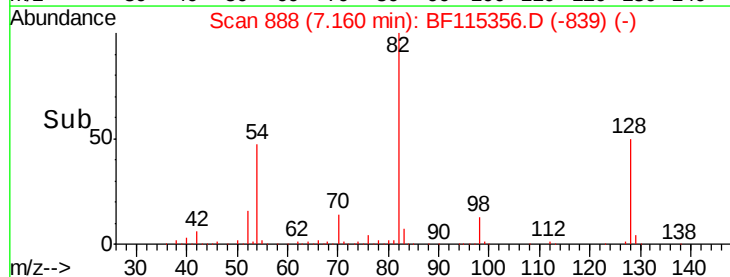
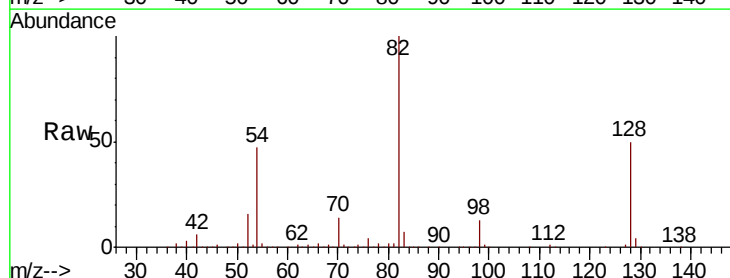
Instrument :
BNA_F
ClientSampleId :

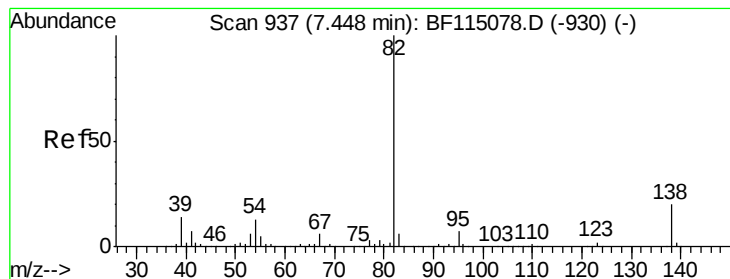
Tot Ion:136	Resp:	740111
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.9	13.3
54 7.2	5.1	7.7
68 6.1	4.3	6.5



#23
Nitrobenzene-d5
Concen: 92.127 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Tgt	Ion: 82	Resp: 1108407	
Ion	Ratio	Lower	Upper
82	100		
128	50.0	40.8	61.2
54	47.4	37.0	55.4





#25

Isophorone

Concen: 44.972 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Instrument :

BNA_F

ClientSampled :

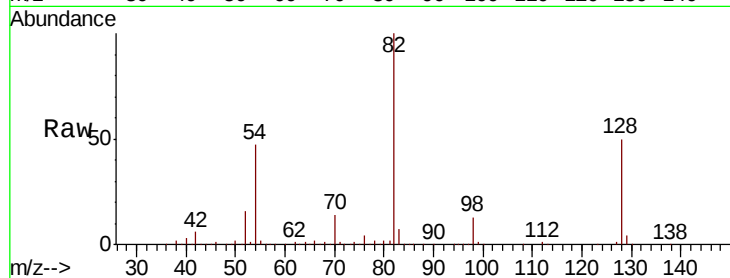
Tot Ion: 82 Resp: 1108399

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

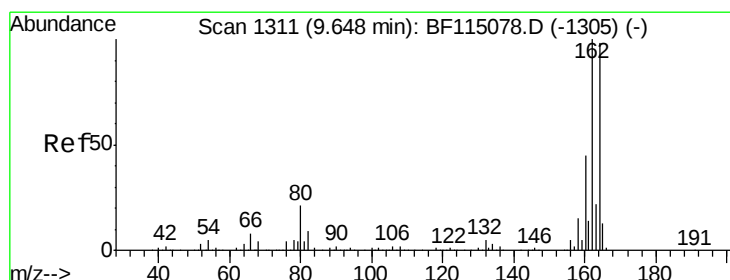
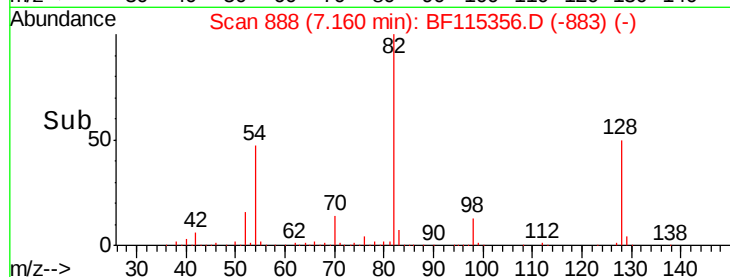
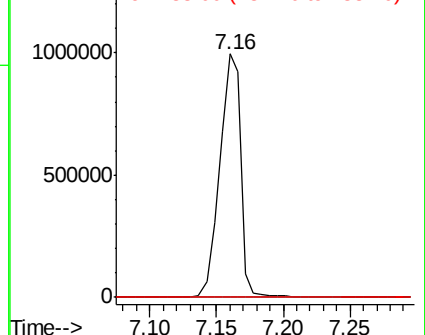
138 0.0 15.4 23.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

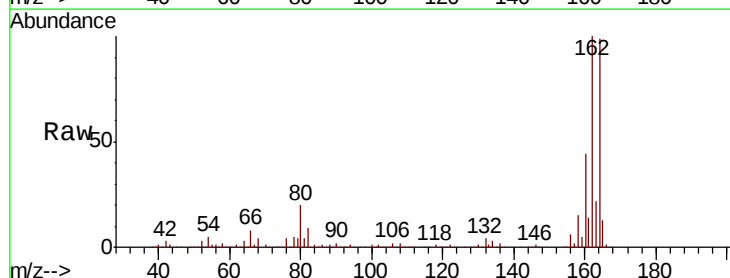
Tgt Ion:164 Resp: 379906

Ion Ratio Lower Upper

164 100

162 101.1 82.0 123.0

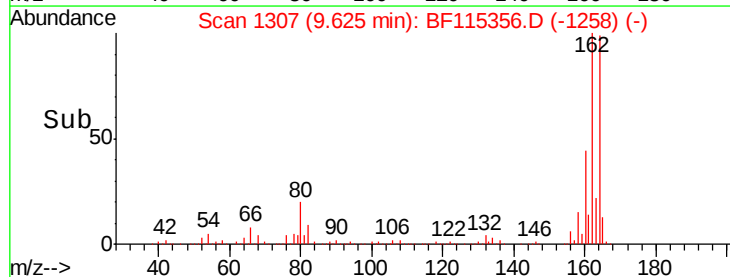
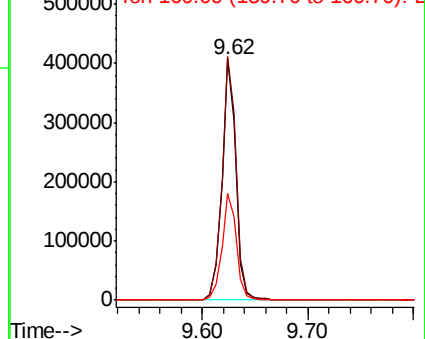
160 44.3 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 147.105 ng

RT: 10.41 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Instrument :

BNA_F

ClientSampleId :

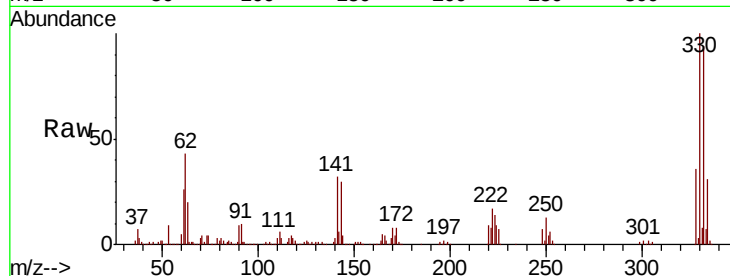
Tot Ion:330 Resp: 589340

Ion Ratio Lower Upper

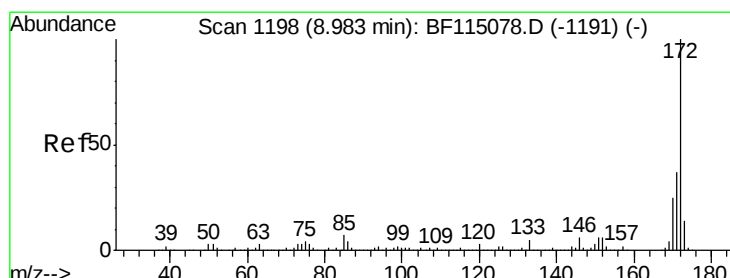
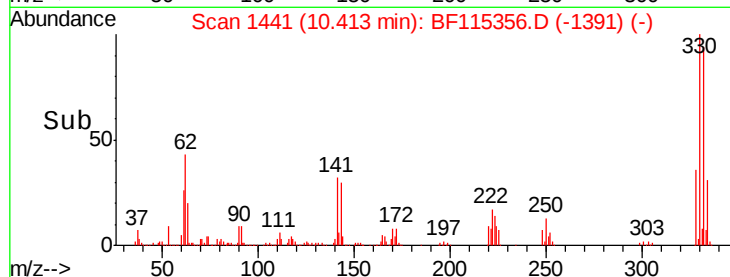
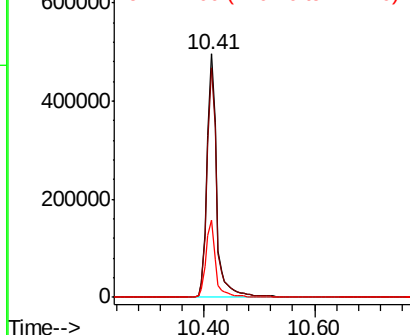
330 100

332 94.7 77.0 115.6

141 31.9 25.4 38.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 92.000 ng

RT: 8.96 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

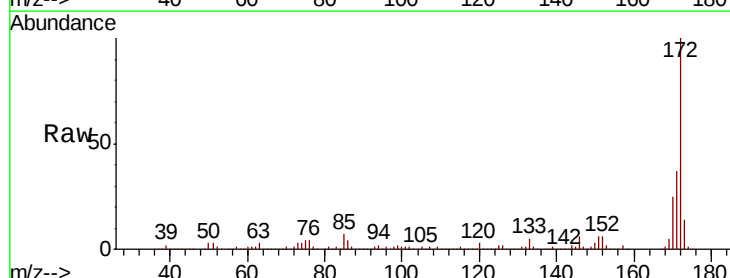
Tgt Ion:172 Resp: 2057639

Ion Ratio Lower Upper

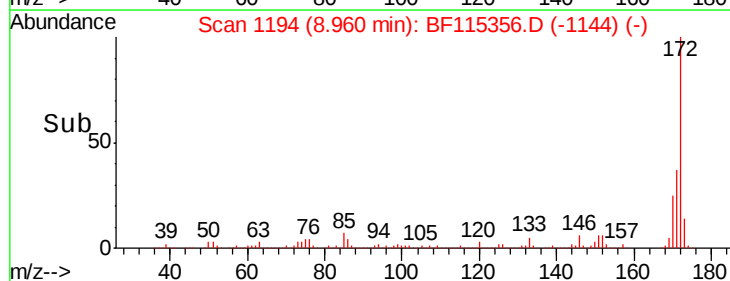
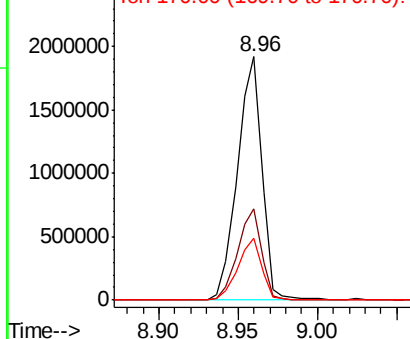
172 100

171 37.5 29.8 44.8

170 25.4 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

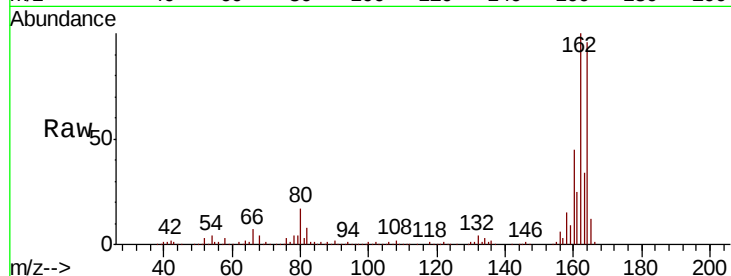




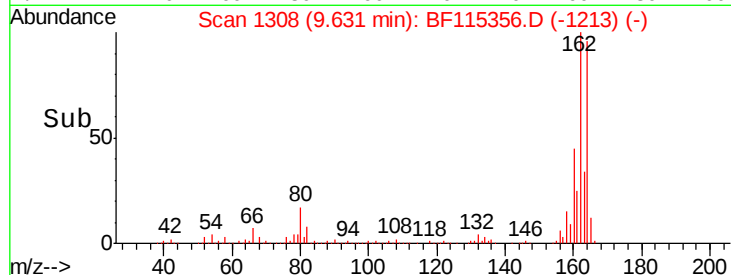
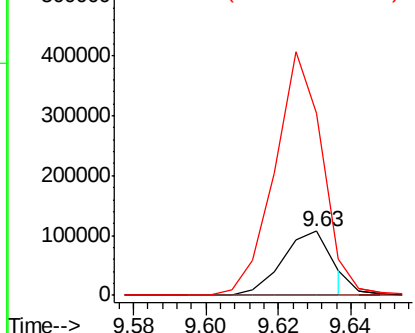
#50
Dimethylphthalate
Concen: 3.670 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.26 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 102578
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 284.6 8.0 12.0#

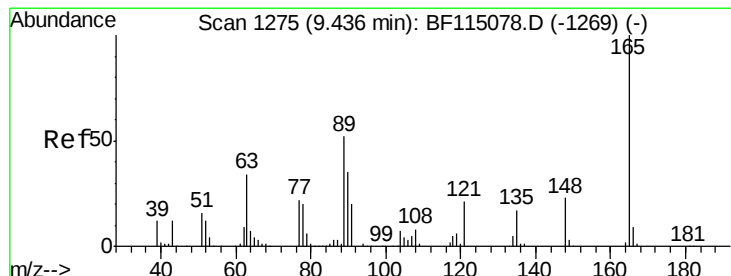


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

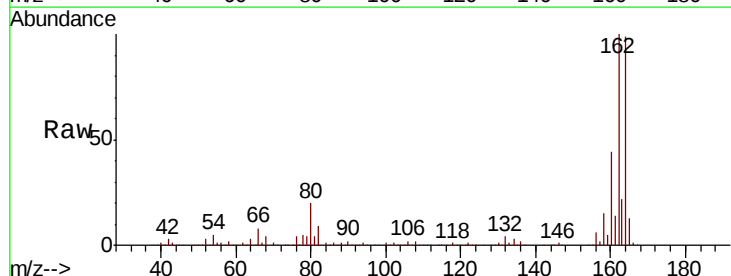
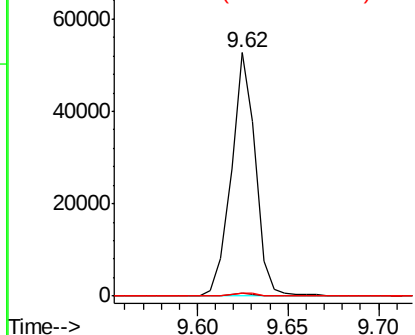


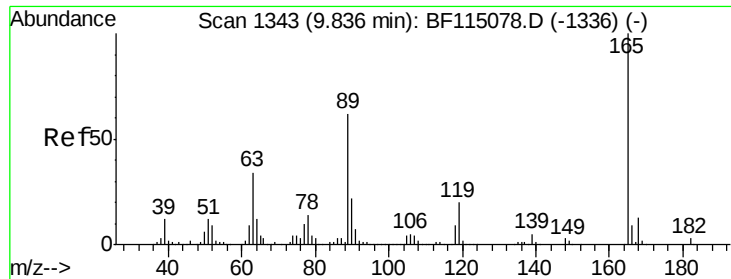
#51
2,6-Dinitrotoluene
Concen: 7.557 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.20 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Tgt Ion:165 Resp: 48764
Ion Ratio Lower Upper
165 100
63 1.1 37.0 55.4#
89 1.1 40.4 60.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

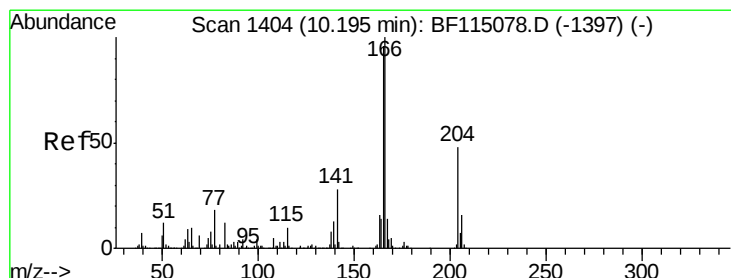
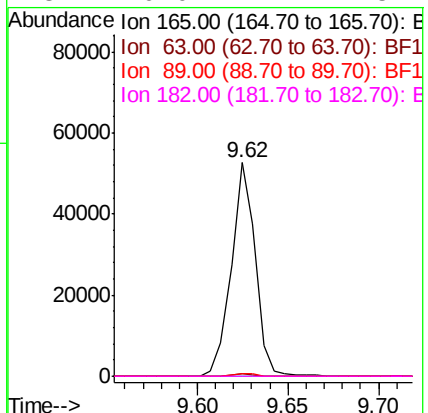
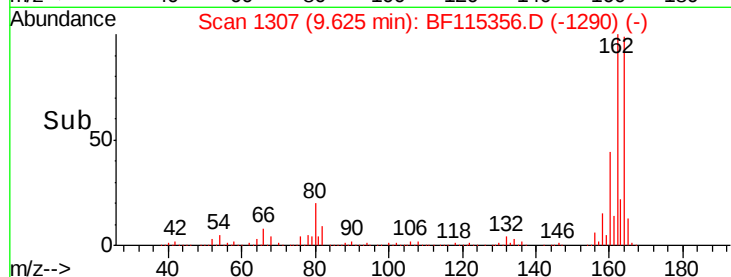
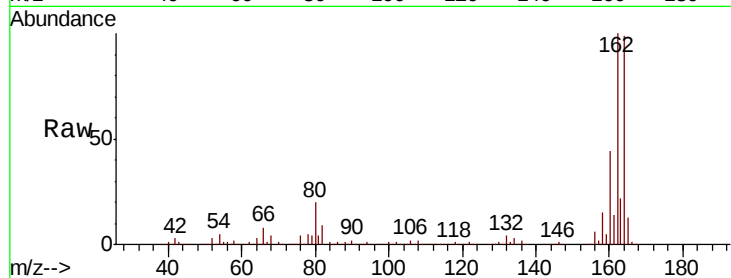




#57
2,4-Dinitrotoluene
Concen: 5.853 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.20 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

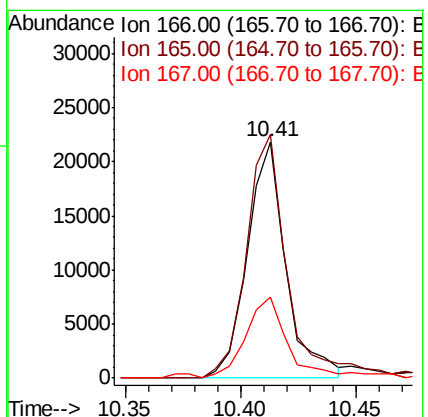
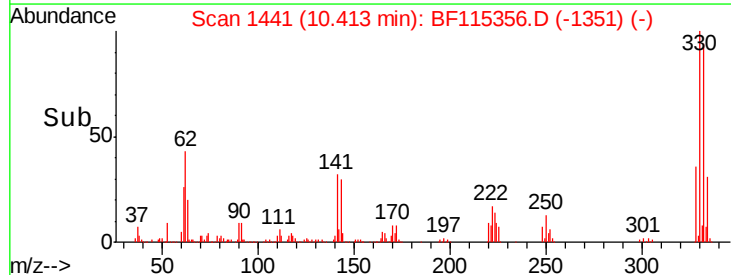
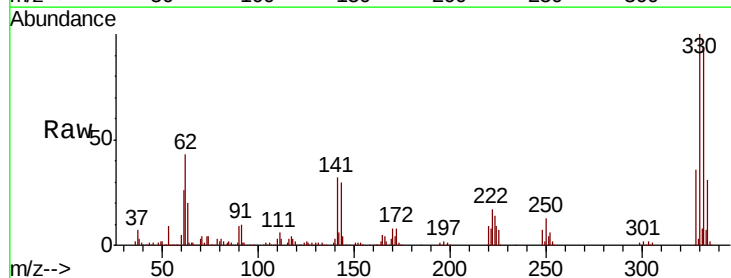
Instrument :
BNA_F
ClientSampleId :

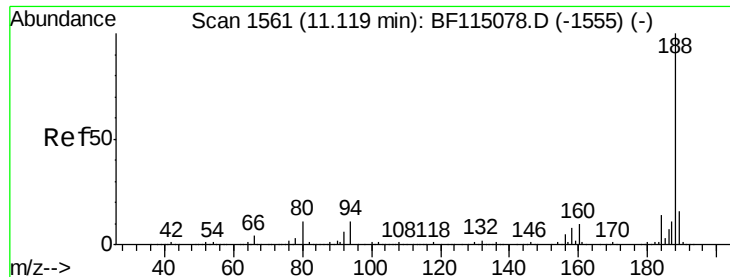
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	31.2	46.8#
89	1.1	52.8	79.2#
182	0.0	2.2	3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.41 min Scan# 1441
Delta R.T. 0.23 min
Lab File: BF115356.D
Acq: 2 Jul 2019 12:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	78.5	117.7
167	34.3	10.5	15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Instrument :

BNA_F

ClientSampleId :

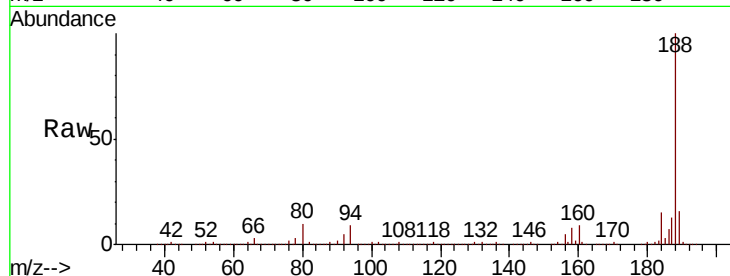
Tot Ion:188 Resp: 767175

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

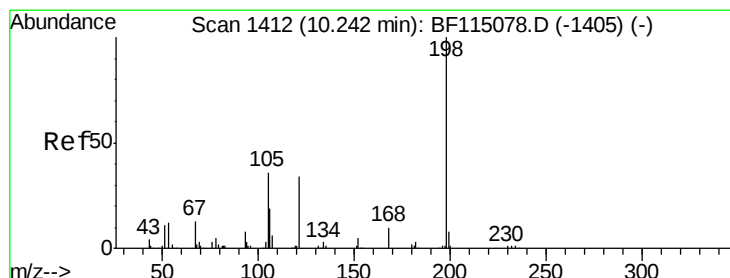
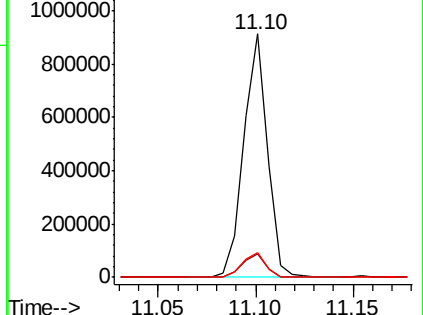
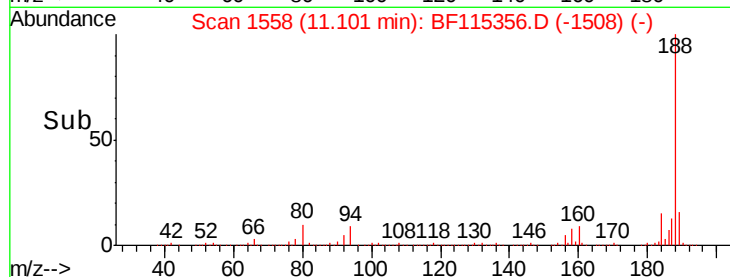
80 10.2 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 5.205 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

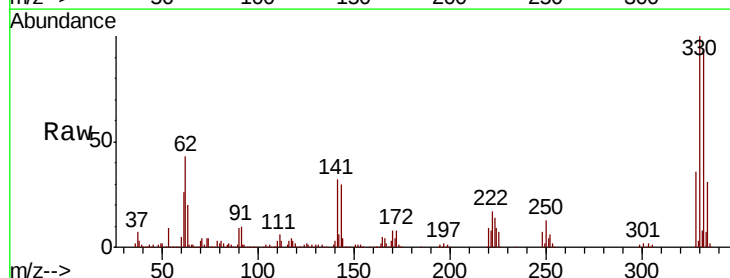
Tgt Ion:198 Resp: 1115

Ion Ratio Lower Upper

198 100

51 161.7 13.4 53.4#

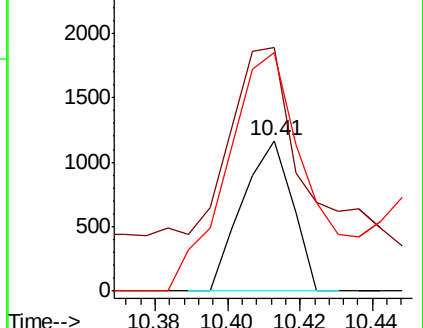
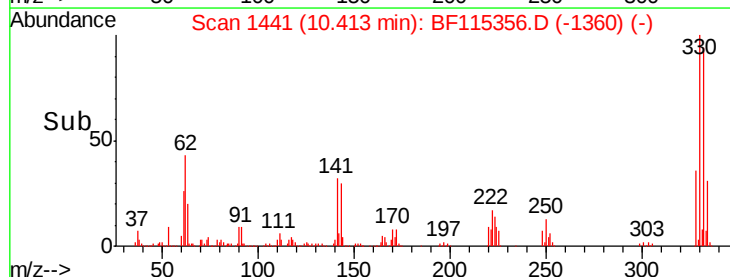
105 158.7 19.8 59.8#

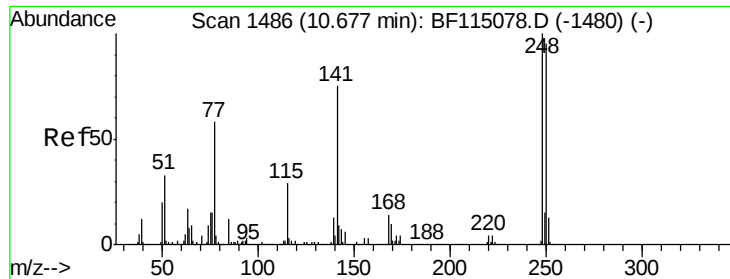


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

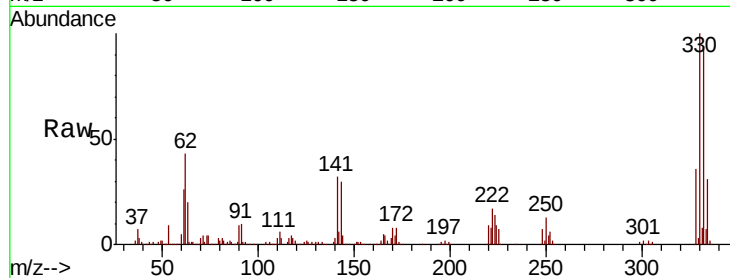




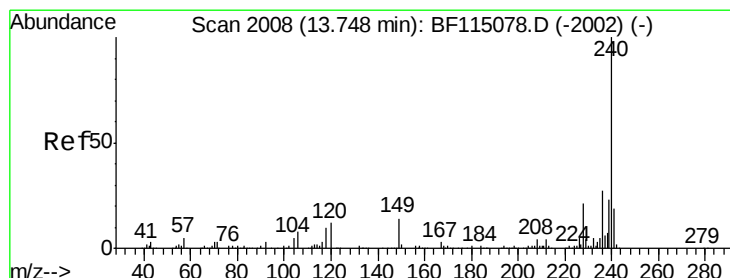
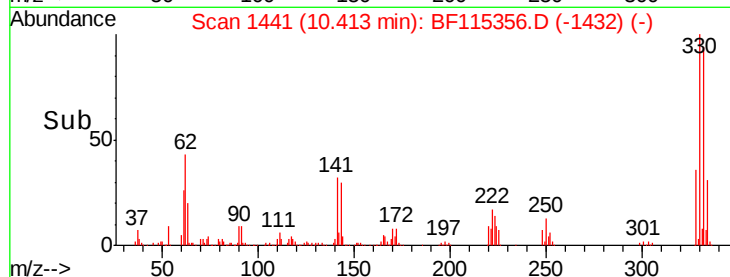
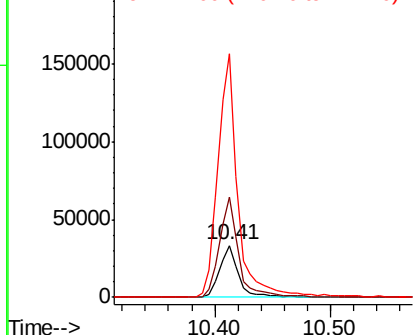
#67
 4-Bromophenyl-phenylether
 Concen: 4.546 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF115356.D
 Acq: 2 Jul 2019 12:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 37816
 Ion Ratio Lower Upper
 248 100
 250 192.5 78.3 117.5#
 141 469.7 59.1 88.7#

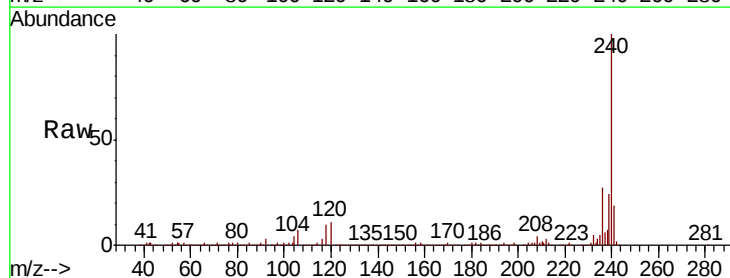


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

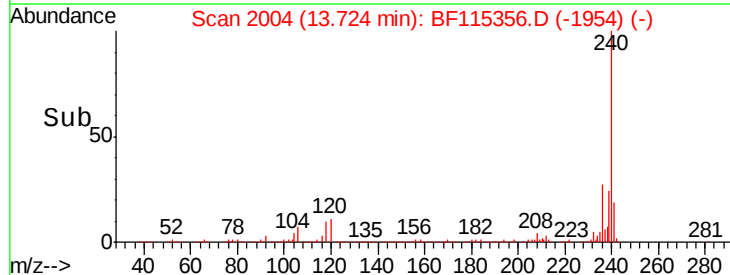
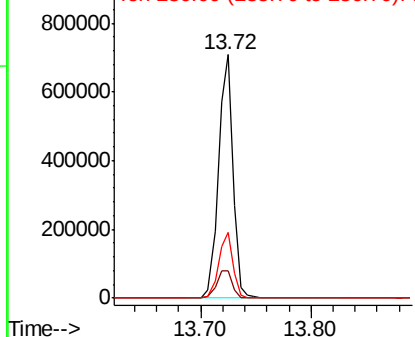


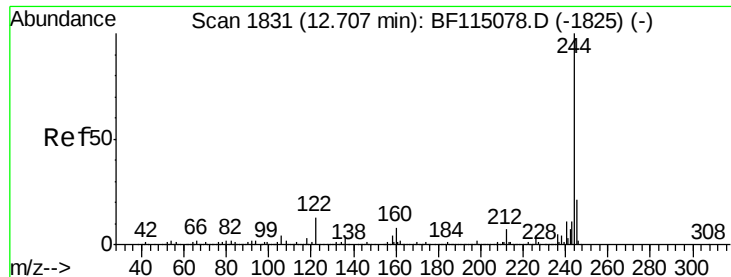
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.72 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF115356.D
 Acq: 2 Jul 2019 12:03

Tgt Ion:240 Resp: 644168
 Ion Ratio Lower Upper
 240 100
 120 11.0 10.8 16.2
 236 26.7 21.8 32.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 82.721 ng

RT: 12.69 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

Instrument :

BNA_F

ClientSampleId :

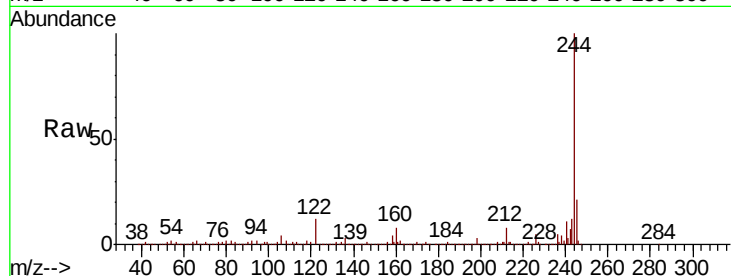
Tot Ion:244 Resp: 2506229

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

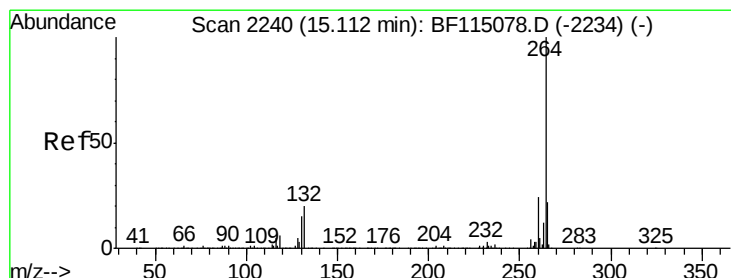
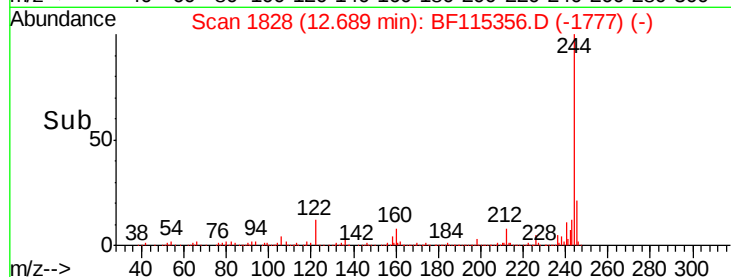
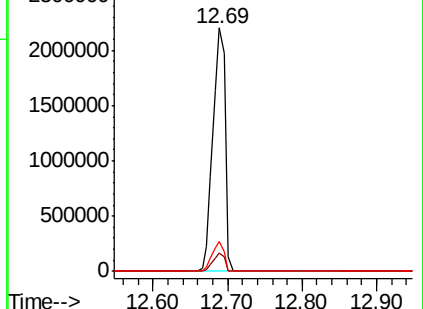
122 12.1 9.9 14.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.11 min Scan# 2240

Delta R.T. 0.02 min

Lab File: BF115356.D

Acq: 2 Jul 2019 12:03

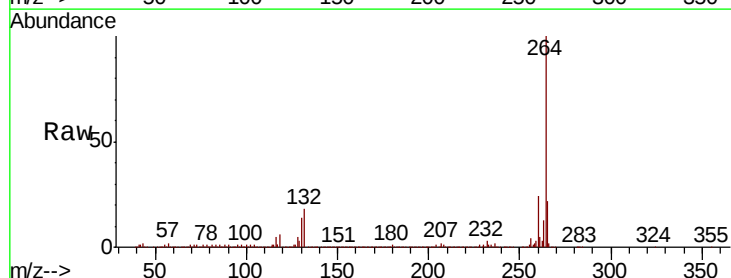
Tgt Ion:264 Resp: 612912

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.5 18.2 27.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

